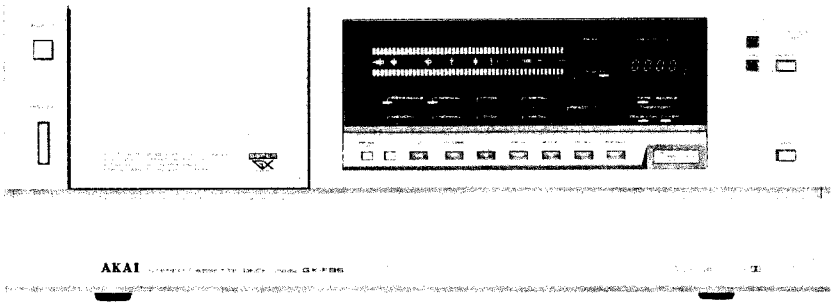
GX-F95

STEREO CASSETTE DECK

Notes:	* Cassette tape in photograph not included in standard accessories. * This manual is applicable to both silver and black panel models.
Remarques:	* La bande de cassette sur la photo n'est pas comprise dans les accessoires standards. * Ce manuel s'applique aussi aux modèles avec panneaux argent et noir.
Opmerkingen:	* De in de foto's afgebeelde cassettes behoren niet tot het standaardtoebehoren. * Deze gebruiksaanwijzing is van toepassing op modellen met zilver en zwart paneel.
Anmärkningar:	* Kassettbandet på bilden hör inte till standard tillbehören. * Bruksanvisningen gäller både för modellen med silverpanel och modellen med mattsvart panel.
Anmerkungen:	* Die Cassette im Bild gehört nicht zum Standardzubehör. * Diese Betriebsanleitung gilt auch für die Ausführung mattsilber und mattschwarz.
Notas:	* La cinta casete mostrada en la fotografía no está incluída como accesorio estándar. * Este manual cubre ambos modelos, el de panel plateado y el de panel negro.



WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Operator's Manual
Manuel de l'utilisateur
Gebruiksaanwijzing
Bruksanvisning
Bedienungsanleitung
Manual del usuario

AKAI

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AKAI TRADING CO., LTD./AKAI AMERICA LTD.

WARNING

Turn over the deck and remove the packing foam which was placed inside the control door to protect the deck during shipment before operating the deck.

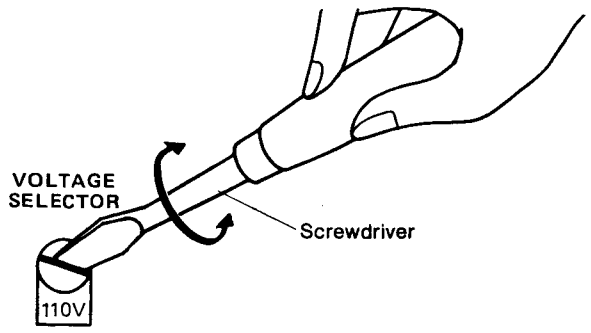
Voltage Selection

Power requirements for electrical equipment differ from area to area.
Please ensure that your machine meets the power requirements in your area.
If in doubt, consult a qualified electrician.
120V, 60 Hz for USA and Canada
110V/120V/220V/240V, 50/60 Hz switchable for other countries.

VOLTAGE CONVERSION

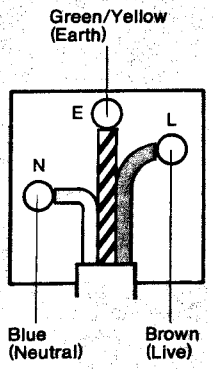
Voltage conversion (Models for Canada and USA are not equipped with this facility.) Each machine is preset at the factory according to destination, but some machines can be set to 110V, 120V, 220V or 240V as required. If your machine's voltage can be converted:

1. Disconnect the power cord.
2. Turn the Voltage Selector on the rear panel with a screwdriver until the correct voltage appears in the window.



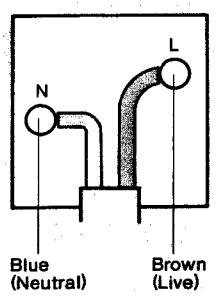
FOR CUSTOMERS IN THE UK
IMPORTANT FOR YOUR SAFETY
The flex supplied with your machine will have either two wires or three as shown in the illustrations.

THREE CORE FLEX
WARNING
THIS APPARATUS MUST BE EARTHED
IMPORTANT



The wires in this mains lead are coloured in accordance with the following code: Green-and-yellow: Earth
Blue: Neutral
Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured green-and yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or coloured green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

TWO CORE FLEX
IMPORTANT



The wires in this mains lead are coloured in accordance with the following code: Blue: Neutral
Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

* Do not connect any wire to the larger pin marked E or ⏚ when wiring a plug. Ensure that all terminals are securely tightened and that no loose strands of wire exist.

FOR CUSTOMERS IN AUSTRALIA

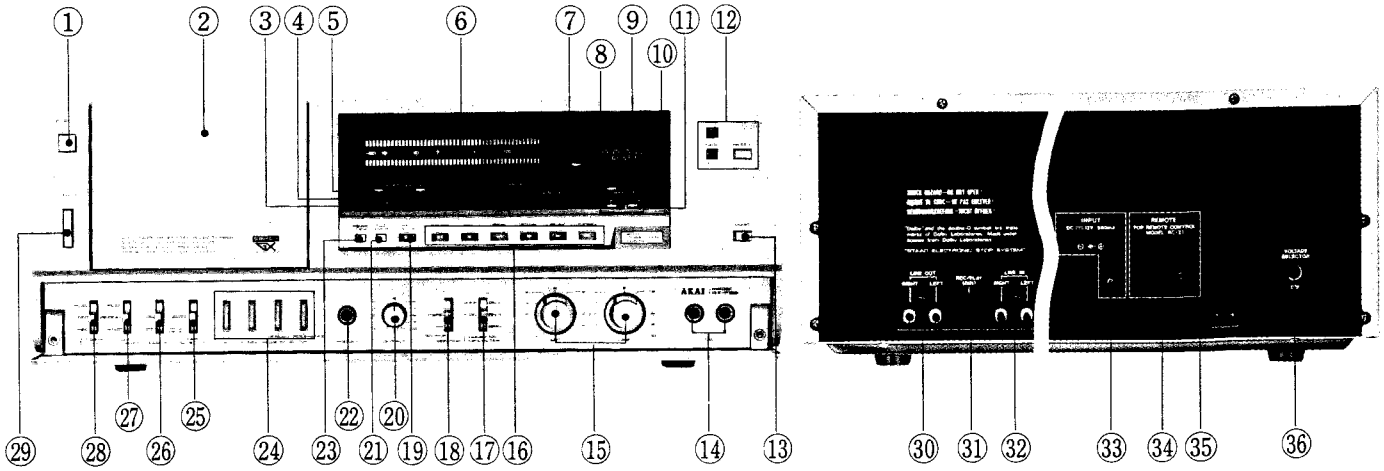
If your machine comes with a three core power cord, FOR YOUR SAFETY.

1. Insert this plug only into an effectively earthed three-pin plug socket outlet.
2. If any doubt exists regarding the earthing, consult a qualified electrician.
3. Extension cords, if used, must be three core correctly wired.

PRECAUTIONS

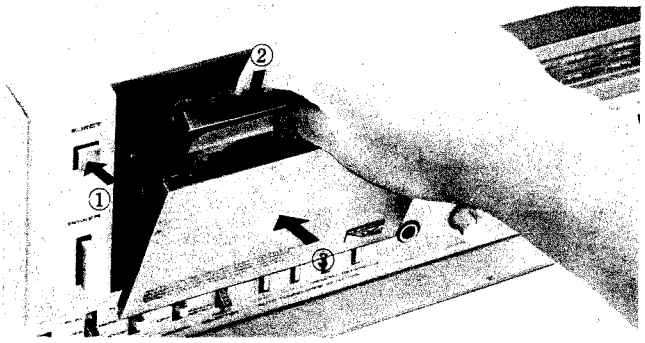
1. Use only household AC power sources.
   Never use DC power sources.
2. Touching the plug with wet hands risks dangerous electric shocks.
   Always pull out by the plug and never the cord.
3. Make sure the power consumption to each audio component does not exceed wattage specified.
   Only connect other audio components.
4. Only let a qualified professional repair or reassemble the equipment. An unauthorized person may touch the internal parts and receive a serious electric shock.
5. Never allow a child to put anything, especially metal into this equipment. A serious shock or malfunction may occur.
6. If water is spilled on this equipment, disconnect and call your dealer.
7. Make sure the equipment is well ventilated and away from direct sunlight.
8. Keep away from heat (stoves, etc.) to avoid damage to the external surface and internal circuits.
9. Avoid spray-type insecticides which will damage the equipment and may ignite suddenly.
10. To avoid damaging the finish never use paint thinner or other similar chemicals.
11. Always place the equipment on a flat and solid surface.
12. Please read this manual in its entirety and keep it handy for further reference.

CONTROLS



1. EJECT Button
2. Cassette Receptacle
   * See through-cassette lid is standard accessory.
3. MEMORY and Tuning Memory Indicators
4. Auto Tuning Indicators
5. REFERENCE and Reference Tape Indicators
6. FLD Bar Meter with Maximum Hold
7. PEAK and VU Indicators
8. TIME/TAPE COUNTER
9. MEMORY Indicator
10. Tape MONITOR Indicators
11. DOLBY NR and MPX FILTER Indicators
12. TIME/TAPE COUNTER SYSTEM
    TIME: Depress to set the TIME/TAPE COUNTER to show the time length of tape travel.
    TAPE: Depress to set the TIME/TAPE COUNTER to show tape travel.
    RESET: Depress to reset the TIME/TAPE COUNTER to "0000".
13. DOOR Button
    Depress to open and close the control door.
    * Open and close the door only with the door button.
14. Microphone Jacks (Left—MIC—Right)
    Connect one microphone to the left jack for monophonic recording.
    * Some models have a MONO MIC jack. Connect to this jack for monophonic recording.
15. Microphone (MIC) and LINE Recording Level Controls (Left ⊰ Right)
    Controls the microphone and line recording input levels. The outer ring controls the right channel recording input level and the inner knob controls the left channel recording input level. The controls are coaxial therefore they may be adjusted independently or together.
    * Coaxial controls and enumerated positions facilitate easy fade-in (gradual increase in volume at the beginning of a muscial selection) and fade-out (gradual decrease in volume at the end) recording operations.
    * For models with a DIN jack: The MIC Recording Level controls also control the DIN recording levels.
16. Operating Buttons
    * For stable timer start operation, the Operating buttons will not be activated for approximately 5 seconds after the POWER switch is turned on.
17. DOLBY NR and MPX FILTER Switch
    DOLBY NR ON, MPX FILTER OFF
    Used for recording and playback with Dolby NR.
    DOLBY NR ON, MPX FILTER ON
    Used for recording with Dolby NR FM stereo broadcasts.
    DOLBY NR OFF
    Used for recording and playback without Dolby NR.
18. Tape MONITOR Selector
    TAPE: Set to this position to monitor the just recorded signals and for playback.
    SOURCE: Set to this position to monitor the source signals.
19. Recording (REC) MUTE Button (⏐●)
20. OUTPUT Control
21. Recording (REC) CANCEL Button
22. Headphone Jack (PHONES)
    Accommodates stereo headphones of 8 ohm impedance for monitoring or private headphone listening.
23. PEAK/VU Selector
24. AUTO TUNING MODE SELECTOR
25. TAPE SELECTOR
26. MEMORY Selector
27. AUTO SYSTEM Selector
28. TIMER START Selector
    PLAY: Set to this position for timed playback with a timer.
    OFF: Set to this position at all other times when timer start operation is not to be engaged.
    REC: Set to this position for absentee recording with a timer.
29. POWER Switch
30. LINE IN Jacks (RIGHT and LEFT)
    Connect to the outputs of an amplifier or tape deck or recorder.
31. DIN Jack (Some models do not have this facility.)
    Can be used instead of the LINE IN and OUT jacks for connection with an amplifier through a DIN connection cord.
32. LINE OUT Jacks (RIGHT and LEFT)
    Connect to the inputs of an amplifier or tape deck or recorder.
33. INPUT Jack
    Connect an DC 12V AC adaptor, available on the market, to retain the memory even when the POWER switch is turned off.
    * Confirm that the AC adaptor's connection cord has a negative (–) inner contact and a positive (+) outer contact.
34. REMOTE Control Jack
    Connect the Remote Control Unit RC-21 for remote control operation.
    * Use only an Akai recommended connection cord.
35. AC Inlet (Some models are equipped with an AC Cord instead.)
    Connect with an appropriate connection cord.
36. Voltage Selector (Some models do not have this facility.)

CASSETTE TAPE



1. Depress the EJECT button to open the cassette receptacle.
2. Insert the cassette with tape facing the heads.
3. Close the lid.

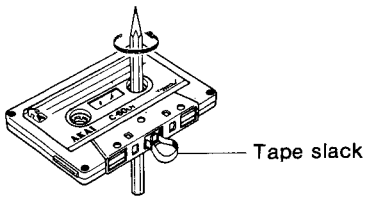
STANDARD REFERENCE AND RECOMMENDED TAPES

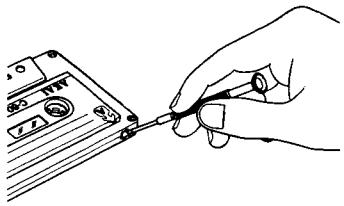
Types of Tape	Recommended Tapes	
NORMAL	AKAI	LN
	FUJI	FL, FX-I
	MAXELL	LN, UL, UD*, UDXL, UDXL-I, UDXL-IS
	SCOTCH	Dynarange Master I
	TDK	D, AD, OD
	SONY	HF
CrO_2 (CHROME)	TDK	SA*, SA-X
	FUJI	FX-II
	MAXELL	UDXL-II, UDXL-IIS
	SCOTCH	Master II
METAL	AKAI	MT, MX
	TDK	MA*, MA-R
	FUJI	METAL
	SCOTCH	Metafine
	MAXELL	MX

When playing back FeCr tapes, set the TAPE SELECTOR to MANUAL (METAL) position.

* C-60 tapes with this mark are the standard reference tapes. Auto tuning is not necessary with these tapes.

CASSETTE TAPE CARE

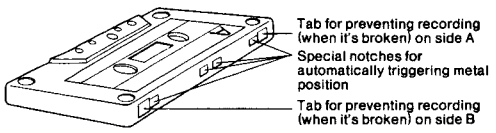




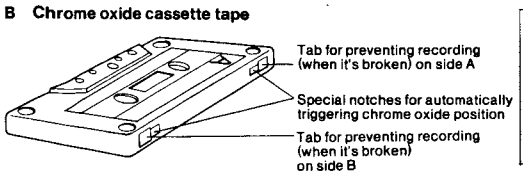
- * Heads should be kept clean and demagnetized at all times.
- * Before using a cassette tape, confirm whether tape slack exists. As tape slack causes the tape to twist or tangle around the pinch wheel and capstan, take up slack if necessary.
- * Recording cannot be made on the leader tape. Therefore, when using a new cassette tape, be sure to forward the tape slightly so that the leader tape is not in the head path.
- * Tapes which have been stored in a hot moist place for a period of time or cassette tape with bent cases should not be used. Such tapes may curl or have greasy places altering tape speed and preventing proper performance. Always store tapes in a cool, dry place.
- * Do not touch the tape with your fingers as high frequency signals cannot be recorded in places which are not clean on the tape.
- * When using a tape recorded with the Dolby process, it is necessary to set the Dolby NR switch at playback time also. Keep the Dolby NR Switch at OFF position at all times except during recording or playback with Dolby NR.
- * Cassette tapes are equipped with a break-out tab for both A and B sides. When these tabs have been removed to protect an important recording, no further recording can be made on the tape unless the cavities are plugged or covered with a piece of tape.

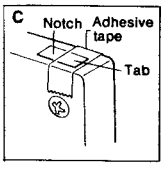
SPECIAL NOTCHES FOR AUTOMATICALLY TRIGGERING THE TAPE POSITIONS

A Metal cassette tape


Tab for preventing recording (when it's broken) on side A
Special notches for automatically triggering metal position
Tab for preventing recording (when it's broken) on side B

B Chrome oxide cassette tape


Tab for preventing recording (when it's broken) on side A
Special notches for automatically triggering chrome oxide position
Tab for preventing recording (when it's broken) on side B



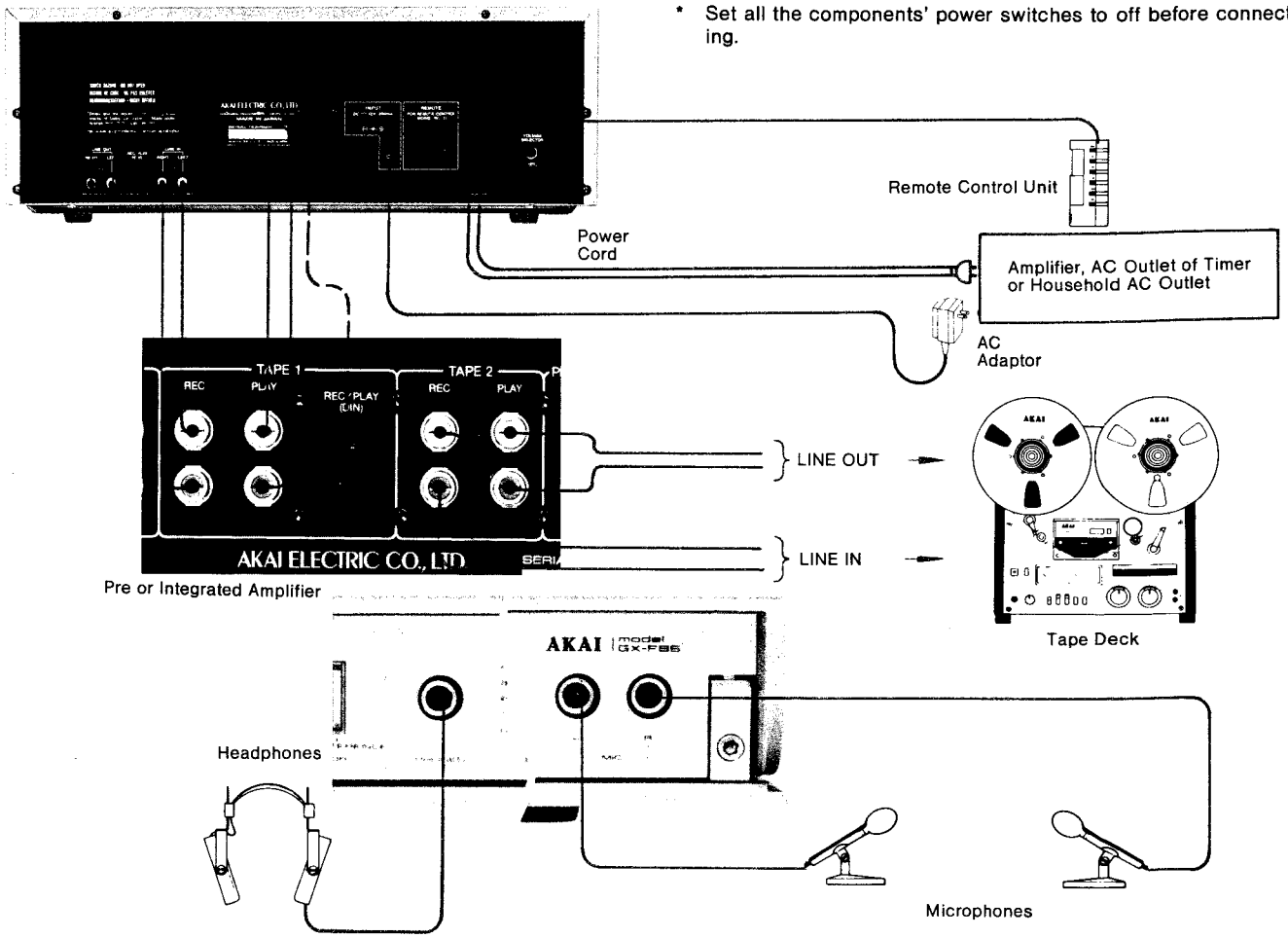
Chrome oxide and metal cassette tapes have notches which automatically trigger their respective tape positions. Therefore with these types of cassette tapes with notches, just set the TAPE SELECTOR to AUTO. (Fig. A and B)

ATTENTION

1. Set the TAPE SELECTOR to MANUAL (METAL) for metal cassette tapes with notches for automatically triggering chrome oxide position or metal cassette tapes without notches for automatically triggering metal position.
2. Take care as not to cover the notches when covering the tabs to re-record a cassette tape.
3. Do not use chrome oxide cassette tapes without notches for automatically triggering chrome oxide position nor ferri-chrome cassette tapes for recording. For playback with these types of cassette tapes, set the TAPE SELECTOR to MANUAL (METAL) position.

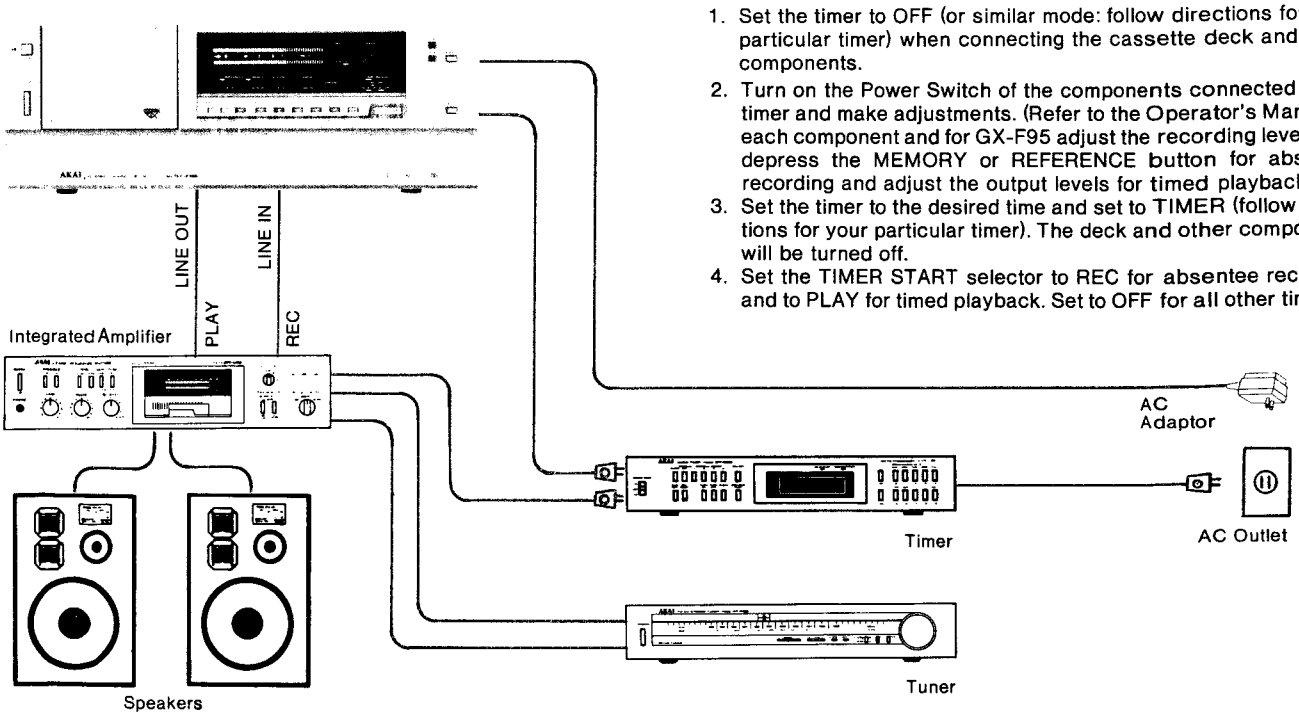
CONNECTIONS FOR RECORDING AND PLAYBACK

* Set all the components' power switches to off before connecting.



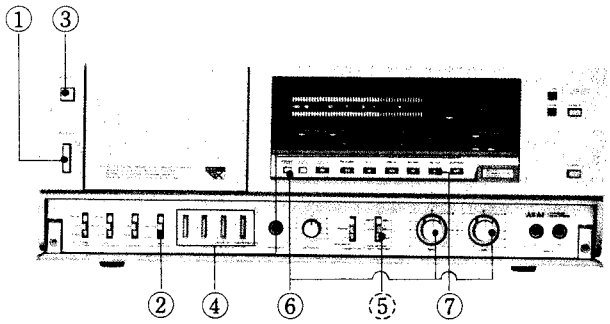
ABSENTEE RECORDING AND TIMED PLAYBACK

1. Set the timer to OFF (or similar mode: follow directions for your particular timer) when connecting the cassette deck and other components.
2. Turn on the Power Switch of the components connected to the timer and make adjustments. (Refer to the Operator's Manual of each component and for GX-F95 adjust the recording levels and depress the MEMORY or REFERENCE button for absentee recording and adjust the output levels for timed playback.)
3. Set the timer to the desired time and set to TIMER (follow directions for your particular timer). The deck and other components will be turned off.
4. Set the TIMER START selector to REC for absentee recording and to PLAY for timed playback. Set to OFF for all other times.



OPERATIONS

RECORDING



GX-F95 is equipped with a microcomputer to precisely adjust the bias, equalization and sensitivity level for excellent recording results for Normal, CrO_2 and Metal tapes.

Make the necessary connections as shown in CONNECTIONS FOR RECORDING AND PLAYBACK.

1. Connect the Power Cord and depress the POWER switch to turn on the power.
2. Set the TAPE SELECTOR.
   AUTO: Set to this position for all types of tapes.
   * When using metal tapes, set to this position only if the cassette has special notches for automatically triggering the metal position.

   MANUAL (METAL): Set to this position when using metal cassette tapes without special notches for automatically triggering the metal position or when using metal cassette tapes with special notches for automatically triggering the chrome oxide position.
   * Akai does not recommend the use of ferri-chrome tapes for recording with this deck.
3. Depress the EJECT button and load a tape (new tape gives best results). The Reference Tape indicator corresponding to the type of tape in use will light.
   NORMAL: Normal (low noise and low noise high output) tapes
   CrO_2: Chrome oxide tapes
   METAL: Metal tapes
4. A) AUTO TUNING
   Depress the TEST button. The tape will be fast forwarded to avoid the leader tape. The deck will then go into recording mode. The Auto Tuning indicators will flash on and off in turn to show what is being adjusted. The TEST indicator will flash on and off during the entire auto tuning operation. When the final adjustment has been made, the deck will rewind the tape to the beginning of the recorded section and go into recording standby. The TEST indicator will go off and the READY indicator will light.
   B) ERROR
   If the ERROR indicator lights, the deck will rewind the tape and go into stop mode. When this occurs, depress the TEST button to repeat the operation.
   C) MEMORY
   Once the READY indicator is lit, depress the WRITE and MEMORY buttons simultaneously. The MOMORY indicator and the indicator corresponding to the type of tape will light to indicate that the adjustments have been memorized. As long as a tape of same type and brand is used, auto tuning operation does not have to be carried out again. However, since the bias, equalization and sensitivity level for only one brand can be memorized for each type of tape, when using another brand auto tuning operation must be carried out for that brand.
   D) MEMORIZED BRAND
   When using a tape of same type and brand as one already memorized, after performing Step 3 depress the MEMORY button and then depress the PAUSE (■■) and Recording (●) buttons simultaneously to put the deck into recording standby.
   E) REFERENCE BUTTON
   If you do not want to perform the auto tuning operation, or if standard reference tapes are used (refer to STANDARD REFERENCE AND RECOMMENDED TAPES) after performing Step 3, depress the REFERENCE button and then depress the PAUSE (■■) and Recording (●) buttons simultaneously to put the deck into recording standby.
5. Set the DOLBY NR and MPX FILTER switch if recording with Dolby NR is desired.
6. Set the PEAK/VU selector to VU and adjust the LINE or MIC Recording Level controls (depending on the input source) while observing the FLD Bar Meter. Adjust so that the VU levels read up to but not exceed 0 dB. Set the PEAK/VU selector to PEAK and repeat the procedure.
7. When the optimum recording levels have been determined, depress the PLAY (▶) button to begin recording.

* The just recorded signals can be compared with the source signals by switching the Tape MONITOR selector to and from TAPE and SOURCE. When monitoring through speakers, the external amplifier's Tape Monitor selector must be set to TAPE.
* For accurate monitoring, match the line output level of the deck with the playback level of the external amplifier. Refer to HOW TO USE OUTPUT CONTROL DURING RECORDING AND PLAYBACK.
* When the REC MUTE (I●I) button is depressed during recording, the recording amp circuit will be brought into a no-signal mode. No recording will be made on the tape during this period. The REC MUTE button will flash on and off at approximately one second intervals to allow timing of blank portion. To release the REC MUTE, depress the button again or depress the PAUSE (■■) button to put the deck into recording standby.
* When the REC CANCEL button is depressed, the deck will rewind the tape to the beginning of the portion being recorded and go into recording standby. If the portion is at the very beginning of the tape, the deck will rewind the tape to the beginning of the tape and go into stop mode. There must be more than 5 seconds of blank portion between the selections for the REC CANCEL to operate properly.
* To momentarily suspend tape travel, depress the PAUSE (■■) button. The PAUSE button does not function during fast forward or rewind.
* To stop tape travel and recording mode, depress the STOP (■) button.
* Automatic stop will be effected at the end of the tape.

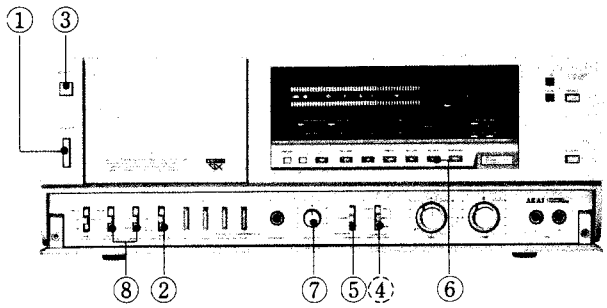
HOW TO USE OUTPUT CONTROL DURING RECORDING AND PLAYBACK

(Applies only to tapes recorded at or being recorded at optimum recording levels.)
When an external amplifier is employed, it is necessary to match the line output level of the deck with the playback level of the amplifier.

1. Consider the listening level of FM broadcast through the amplifier as the standard.
2. Set the amplifier's Tape Monitor selector to TAPE.
3. Set the deck's Tape MONITOR selector to SOURCE and set the deck's OUTPUT control to the same level as the standard level.

* Adjust the deck's OUTPUT control first before setting the Tape MONITOR selector to TAPE. Since the OUTPUT control is set to the level corresponding to the source level, when the Tape MONITOR selector is set to TAPE the output level may be very loud.

PLAYBACK



Make the necessary connections as shown in CONNECTIONS FOR RECORDING AND PLAYBACK.

1. Connect the Power Cord and depress the POWER switch to turn on the power.
2. Set the TAPE SELECTOR.
   AUTO: Set to this position for all types of tapes.
   * When using metal tapes, set to this position only if the cassette has special notches for automatically triggering the metal position.

   MANUAL (METAL): Set to this position when using metal cassette tapes without special notches for automatically triggering the metal position or when using metal cassette tapes with special notches for automatically triggering the chrome-oxide position.
   * When using ferri-chrome or chrome oxide cassette tapes without notches for automatically triggering the tape positions, set the TAPE SELECTOR to MANUAL (METAL).
3. Depress the EJECT button and load a pre-recorded tape. The Reference Tape indicator corresponding to the type of tape in use will light.
4. Set the DOLBY NR and MPX FILTER switch to DOLBY NR ON, MPX FILTER OFF position if the tape was recorded with Dolby NR.
5. Set the Tape MONITOR selector to TAPE.
6. Depress the PLAY (▶) button to begin playback.
7. Adjust the OUTPUT control to adjust the headphone or line output level.
   * When listening through speakers, adjust the Output control of the amplifier. Refer to HOW TO USE OUTPUT CONTROL DURING RECORDING AND PLAYBACK.
8. Set the AUTO SYSTEM and MEMORY selectors as desired. Refer to AUTO AND MEMORY OPERATIONS.

* To momentarily suspend tape travel, depress the PAUSE (■■) button. The PAUSE button does not function during fast forward or rewind.
* To advance the tape quickly, depress the Fast Forward (▶▶) button.
* To rewind the tape, depress the Rewind (◀◀) button.
* To stop tape travel and playback mode, depress the STOP (■) button.
* Automatic stop will be effected at the end of the tape.

AUTO AND MEMORY OPERATIONS

Depress the TAPE button to set the TIME/TAPE COUNTER to show tape travel.

<table>
<tr>
<td>MEMORY selector
AUTO SYSTEM selector</td>
<td>ON
OFF
MEMORY

MEMORY ON: Set the MEMORY selector to ON. At any point on the tape during recording or playback, depress the RESET button and set the TIME/TAPE COUNTER to "0000".</td>
<td>ON
OFF
MEMORY

MEMORY OFF: Set the MEMORY selector to OFF.</td>
</tr>
<tr>
<td>AUTO PLAY
PLAY
REPEAT
STOP
AUTO SYSTEM</td>
<td>When the Rewind (◀◀) button is depressed, the deck will rewind the tape to "9999" and begin playback automatically.
* The PLAY (▶) button will flash on and off to indicate that playback will take place.

Beginning "0000" (◀◀) End
Playback from "9999"</td>
<td>When the Rewind (◀◀) button is depressed, the deck will rewind the tape to the beginning of tape and begin playback automatically.
* The PLAY (▶) button will flash on and off to indicate that playback will take place.

Beginning (◀◀) End
Playback from beginning</td>
</tr>
<tr>
<td>AUTO REPEAT
PLAY
REPEAT
STOP
AUTO SYSTEM</td>
<td>At the end of the tape, the deck will rewind the tape to "9999" and begin playback automatically. It will continue repeating until the STOP (■) button is depressed.
* The PLAY (▶) button will flash on and off to indicate that playback will take place.
* When the Rewind (◀◀) button is depressed, the deck will go into AUTO PLAY.

Beginning "0000" End
Continuous playback between "9999" and end.</td>
<td>At the end of the tape, the deck will rewind the tape to the beginning of tape and begin playback automatically. It will continue repeating until the STOP (■) button is depressed.
* The PLAY (▶) button will flash on and off to indicate that playback will take place.
* When the Rewind (◀◀) button is depressed, the deck will go into AUTO PLAY.

Beginning End
Continuous playback between beginning and end.</td>
</tr>
<tr>
<td>AUTO STOP
PLAY
REPEAT
STOP
AUTO SYSTEM</td>
<td>When the Rewind (◀◀) button is depressed, the deck will rewind the tape to "9999" and stop.

Beginning "0000" (◀◀) End
Stop at "9999"</td>
<td>When the Rewind (◀◀) button is depressed, the deck will rewind the tape to the beginning of tape and stop.

Beginning (◀◀) End
Stop at beginning</td>
</tr>
</table>

SOUND MIXING

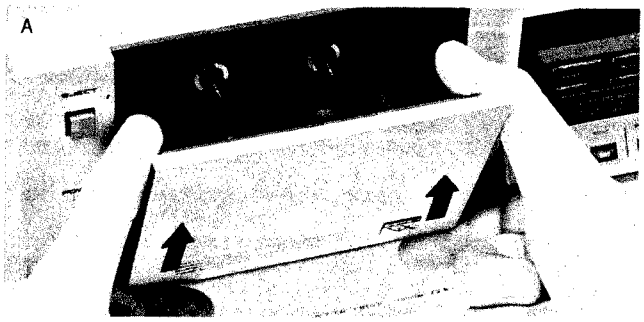
Independent LINE and Microphone (MIC) Recording Level controls and input jacks enable signals from microphone connection and from line source to be blended and recorded simultaneously on the tape. Connect a microphone(s) to the Microphone (MIC) jack(s) and connect the desired source to the LINE IN jacks. Follow recording procedure but adjust both the LINE and MIC Recording Level controls.

For models with DIN jack:
Signals from DIN and line source can be blended and recorded simultaneously on the tape. In this case adjust the DIN recording levels with the MIC Recording Level controls.

MAINTENANCE

Turn off the POWER switch.

A



1. REMOVING THE RECEPTACLE LID

Depress the EJECT button and remove the cassette tape from the receptacle. The receptacle lid can be removed by lifting the lid and then pulling the lid toward you. Refer to Figure A.

* Be sure to use both hands.

B

2. HEAD CLEANING

Clean the heads with a cotton swab stick which has been dipped in Akai Cleaning Fluid (Akai Cleaning Kit HC-550P). Also clean pinch wheel, capstan, and other parts over which the tape travels. Refer to Figure B.

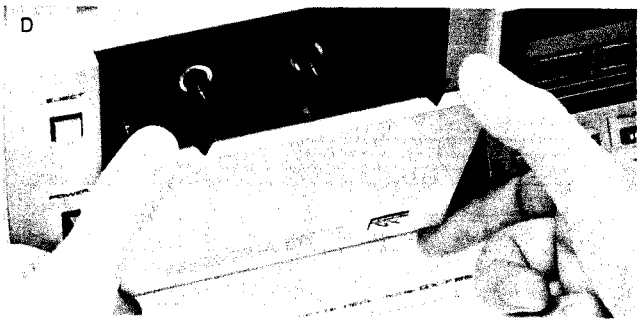
* If Akai Cleaning Fluid is not available, use alcohol. Do not use other chemical cleaners as the rubber parts will deteriorate.

C

3. HEAD DEMAGNETIZING

The steel pole pieces which form part of the recording and playback heads become slightly magnetized after several recording and playback hours and as a result, the tape is partially erased at high frequencies. Therefore, head demagnetizing is recommended periodically. Refer to Figure C.

D



4. REPLACING THE RECEPTACLE LID

To replace the lid onto holder, fit the two hooks on each side of the lid into the holes in the holder and then push the lid down. Refer to Figure D.

* Do not insert a cassette tape with the receptacle lid off.
* The receptacle lid is properly attached when it is even with the front panel.

TROUBLE SHOOTING

The conditions listed below do not indicate mechanical failure of your unit. If your machine exhibits any of these conditions, check for trouble as indicated.

Recording button will not function
* Cassette is not loaded.
* Cassette break-out tabs are removed. Plug or cover cavities.

Tape will not run
* Power is not being supplied. Check power cord and POWER switch.
* Tape slack. Take up slack as mentioned in "Cassette Tape Care."

Noisy Sound
* Connections are incorrect.
* Wrong TAPE SELECTOR position.
* Heads are dirty. Clean following head cleaning instructions.
* Heads are magnetized. Demagnetize following head demagnetizing instructions.

Previous recording will not erase
* Erase head dirty. Clean following head cleaning instructions.

Distorted sound
* Recording level is too high.

Playback cannot be effected
* Tape MONITOR selector is not set to TAPE.
* Connections are incorrect.
* Controls are not properly adjusted or positioned. Check external amplifier controls.
* PAUSE (■■) button is depressed.

Recording will not take place
* Connections are incorrect.
* Controls are not properly positioned or adjusted. Check external source controls.
* PAUSE (■■) button is depressed.
* Dirty head. Clean following head cleaning instructions.

No Memory Operation
* TIME/TAPE COUNTER not set to TAPE.
* MEMORY selector not set to ON.

Should there be a problem with your machine, write down the model well as a clear description of the existing trouble and contact your nearest authorized Akai Service Station or the Service Department of Akai Company, Tokyo, Japan.

SPECIFICATIONS

Track System	4 Track 2 Channel Stereo System
Tape	Philips Type Cassette
Tape Speed	4.76 cm/s ±0.2% (1-7/8 ips. ±0.2%)
Heads	Erase head × 1 Super GX head head for recording × 1 Super GX head for playback × 1
Motors	Quartz Locked PLL servo D.C. motor for capstan drive (Direct drive) × 1 D.C. motor for reel drive × 1 D.C. motor for door openning × 1
Wow & Flutter	Less than 0.028% WRMS, 0.07% (DIN 45 500)
Tape Winding Time	60 sec. using a C-60 cassette tape
Frequency Response	Normal: 20 to 16,000 Hz±3 dB (–20 VU) CrO_2: 20 to 18,000 Hz±3 dB (–20 VU) Metal: 20 to 21,000 Hz±3 dB (–20 VU)
Signal to Noise Ratio	Normal: Better than 60 dB CrO_2: Better than 61 dB Metal: Better than 62 dB (measured via tape with peak recording level) Dolby NR switch ON: Improves up to 10 dB above 5 kHz
Harmonic Distortion	Normal: Less than 0.7% CrO_2: Less than 0.6% Metal: Less than 0.6%
Input	MIC: 0.25 mV (input impedance 5.0 kohms) Required microphone impedance: 600 ohms Line: 70 mV (input impedance 47 kohms)
Output	Line: 410 mV at 0 VU Required load impedance: more than 20 kohms Phone: 100 mV/8 ohms at 0 VU
DIN	Input: 2 mV (input impedance 2 kohms) Output: 410 mV Required load impedance: more than 20 kohms
Power Requirements	120V, 60 Hz for USA and Canada 110V/120V/220V/240V, 50/60 Hz switchable for other countries.
Dimensions	440(W) × 164(H) × 364(D)mm (17.3 × 6.5 × 14.3")
Weight	12.5 kg (27.5 lbs)

STANDARD ACCESSORIES

See-Through Cassette Lid	1
Connection Cords	1 set
Operator's Manual	1

* For improvement purposes, specifications and design are subject to change without notice.
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